

FIG. 1A

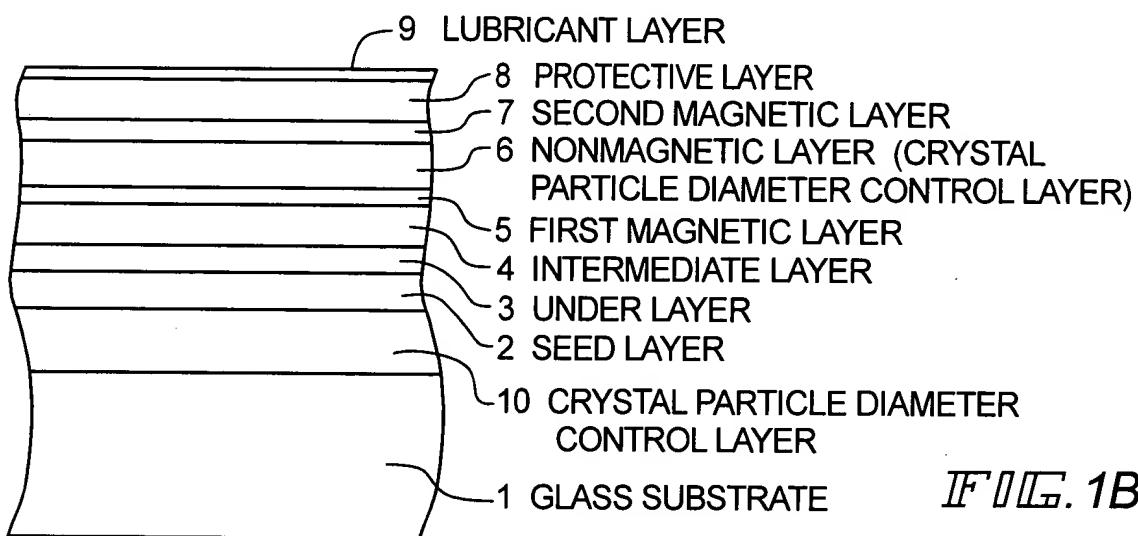


FIG. 1B

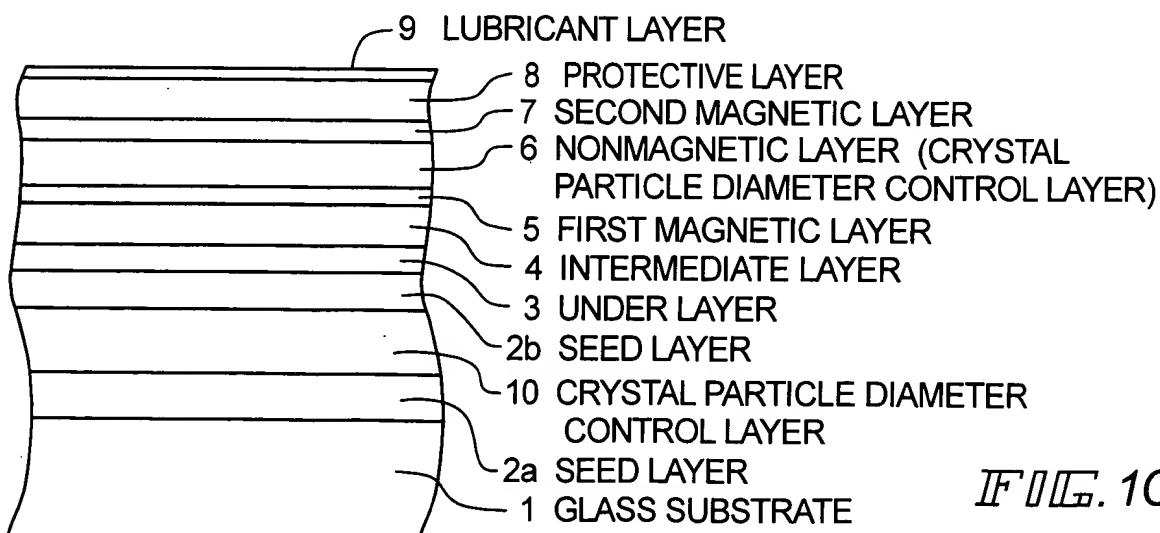


FIG. 1C

TABLE 1

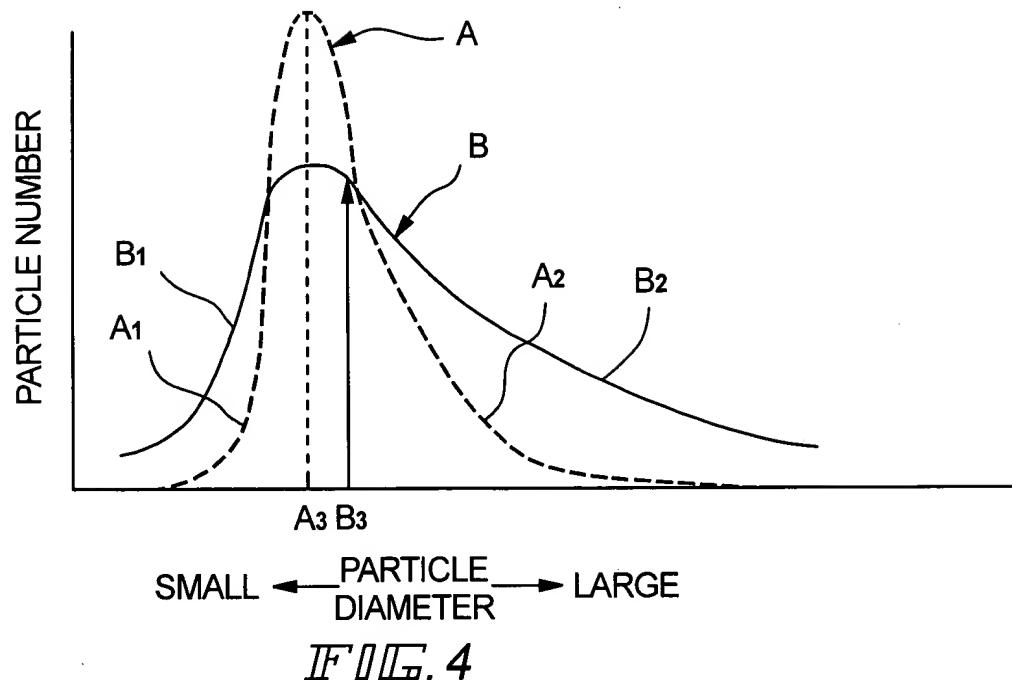
	LAYER THICKNESS ( Å )	COERCIVE FORCE (Oe)	S / N RATIO (dB)	PW50(nsec)	dB / DECADE	Ku·V / kT
EXAMPLE 2	5	2350	28.0	22.3	-0.070	95
EXAMPLE 3	10	2250	28.8	22.6	-0.073	90
EXAMPLE 4	50	2250	29.4	23.3	-0.083	90
EXAMPLE 5	100	2120	29.2	23.4	-0.090	85
COMPARATIVE EXAMPLE 2	3	2550	27.7	21.6	-0.060	100
COMPARATIVE EXAMPLE 3	120	2000	29.1	23.6	-0.100	80

FIGURE 2

TABLE 2

	NONMAGNETIC LAYER COMPOSITION	COERCIVE FORCE (Oe)	S / N RATIO (dB)	PW50(nsec)	dB / DECADE	Ku·V / kT
EXAMPLE 6	CrMn <sub>0.5</sub> C <sub>0.01</sub>	2130	29.0	22.8	-0.077	92
EXAMPLE 7	CrMn <sub>5</sub> C <sub>0.01</sub>	2400	29.5	23.3	-0.080	90
EXAMPLE 8	CrMn <sub>2</sub> C <sub>0.1</sub>	2350	29.3	23.0	-0.082	88
EXAMPLE 9	CrMn <sub>2</sub> C <sub>0.5</sub>	2150	29.6	22.5	-0.080	90
EXAMPLE 10	CrC <sub>0.2</sub>	2080	29.1	22.2	-0.085	88
COMPARATIVE EXAMPLE 4	CrMn <sub>2</sub>	2370	28.7	23.6	-0.095	80
COMPARATIVE EXAMPLE 5	CrMn <sub>2</sub> C <sub>0.55</sub>	2090	29.6	22.5	-0.092	83
COMPARATIVE EXAMPLE 6	CrMn <sub>0.4</sub> C <sub>0.01</sub>	2070	29.0	22.8	-0.100	78
COMPARATIVE EXAMPLE 7	CrMn <sub>6</sub> C <sub>0.01</sub>	2350	29.7	23.6	-0.097	88

FIGURE 3



LUBRICANT LAYER	9
PROTECTIVE LAYER	8
MAGNETIC LAYER	5
INTERMEDIATE LAYER	4
UNDER FILM	3
NONMAGNETIC FILM	23
INTERMEDIATE LAYER	22
NONMAGNETIC FILM	21
GLASS SUBSTRATE	1

} UNDER LAYER

} SEED LAYER 2

FIG. 5

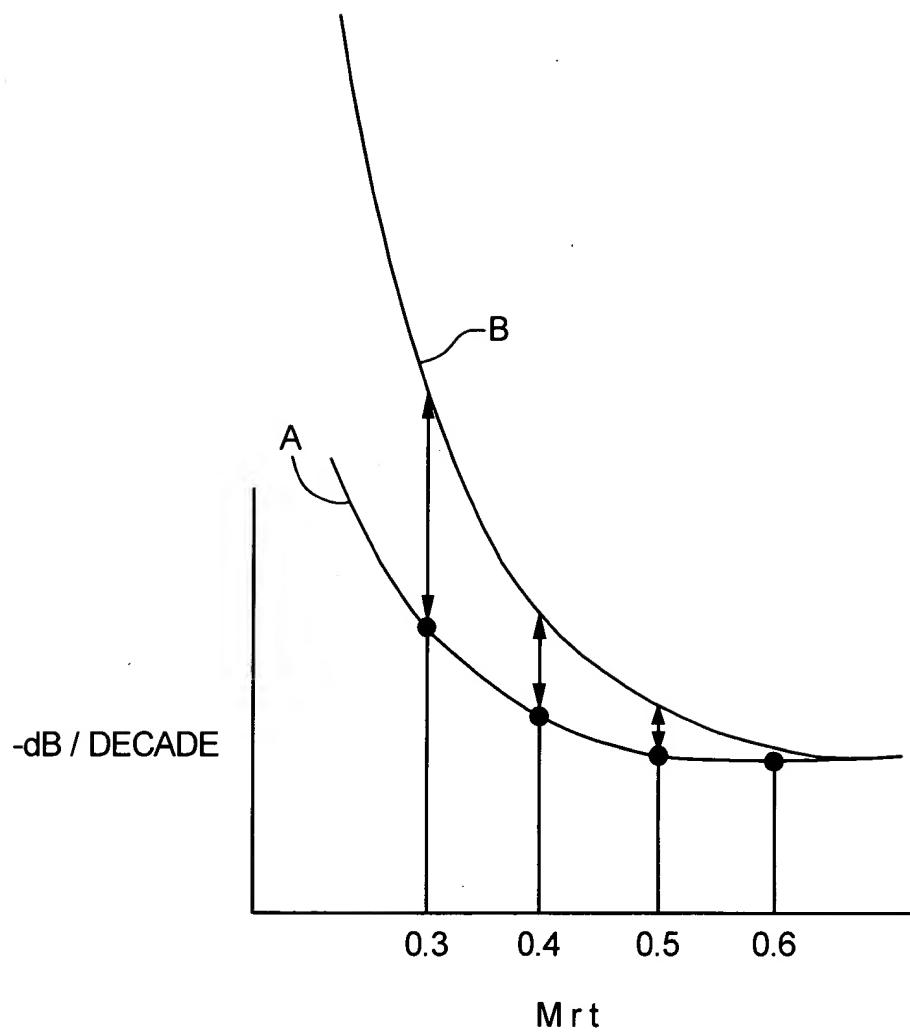


FIG. 6

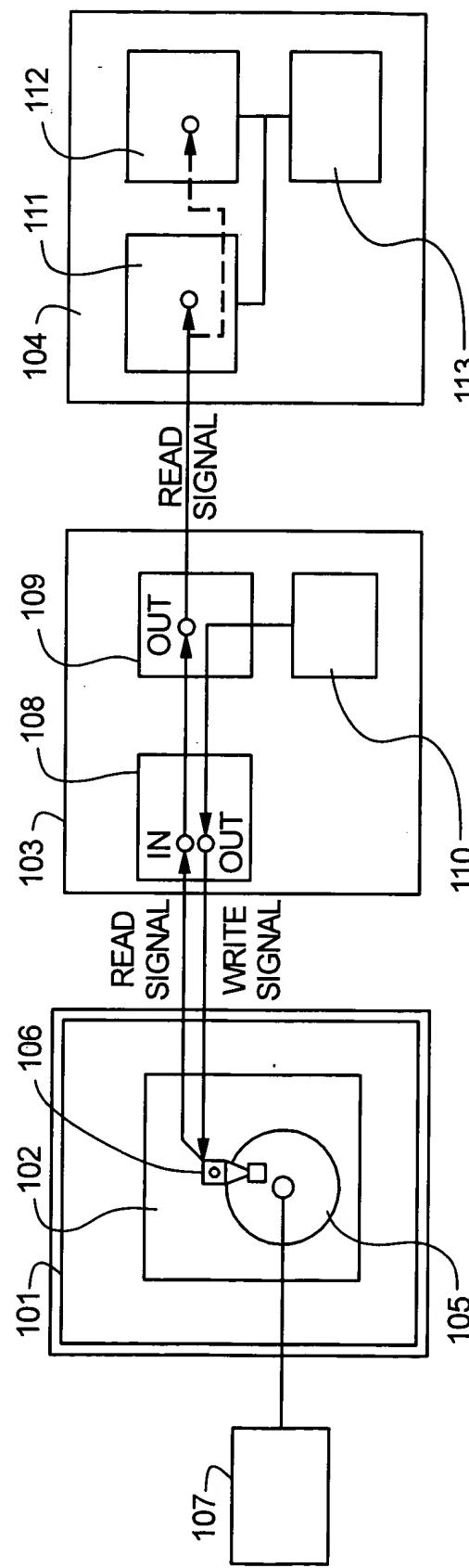


FIG. 7

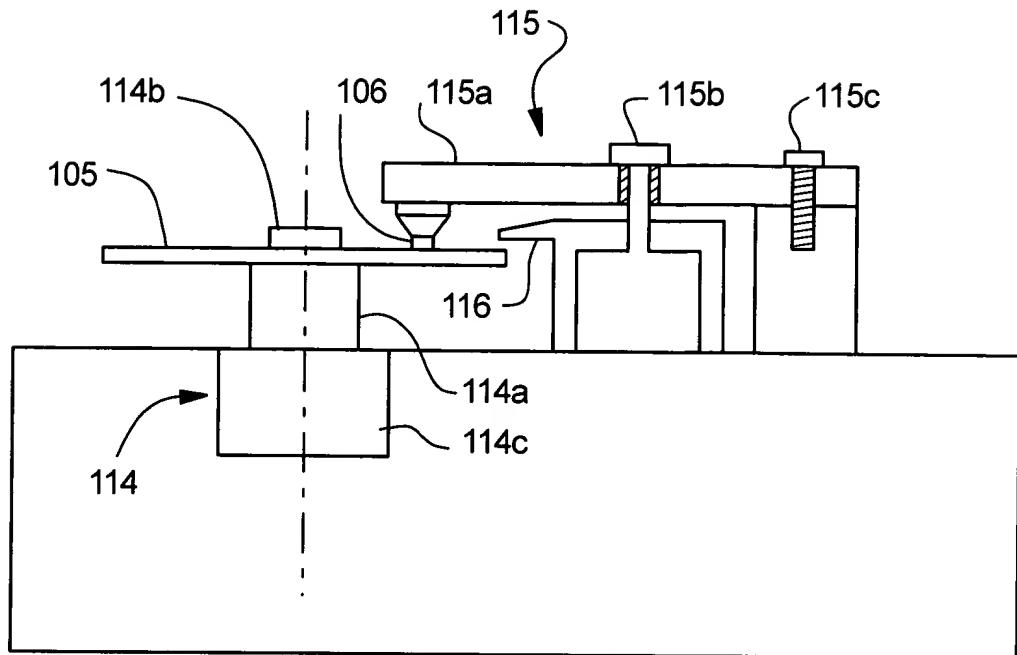


FIG. 8

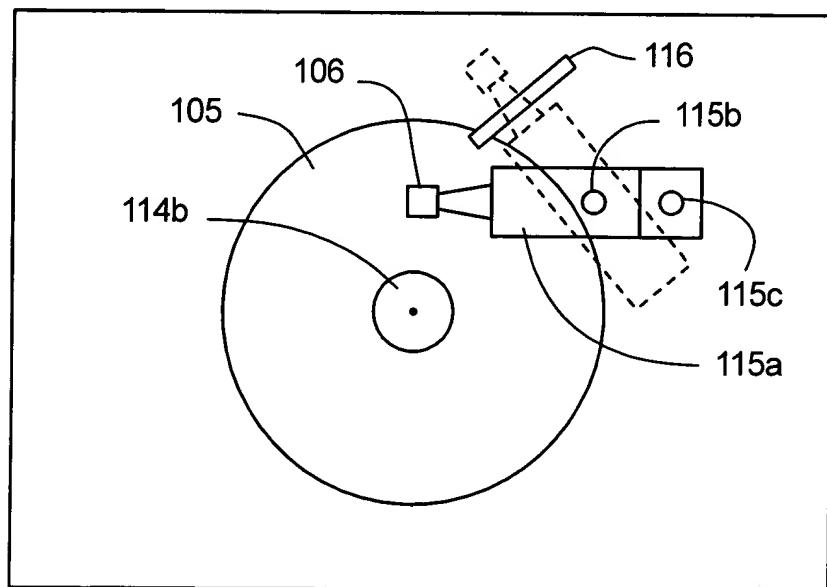


FIG. 9

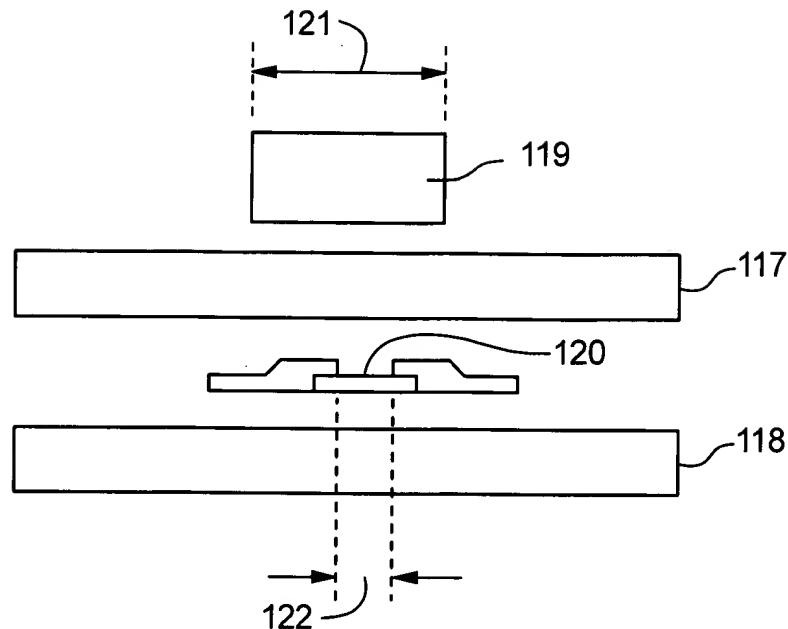


FIG. 10

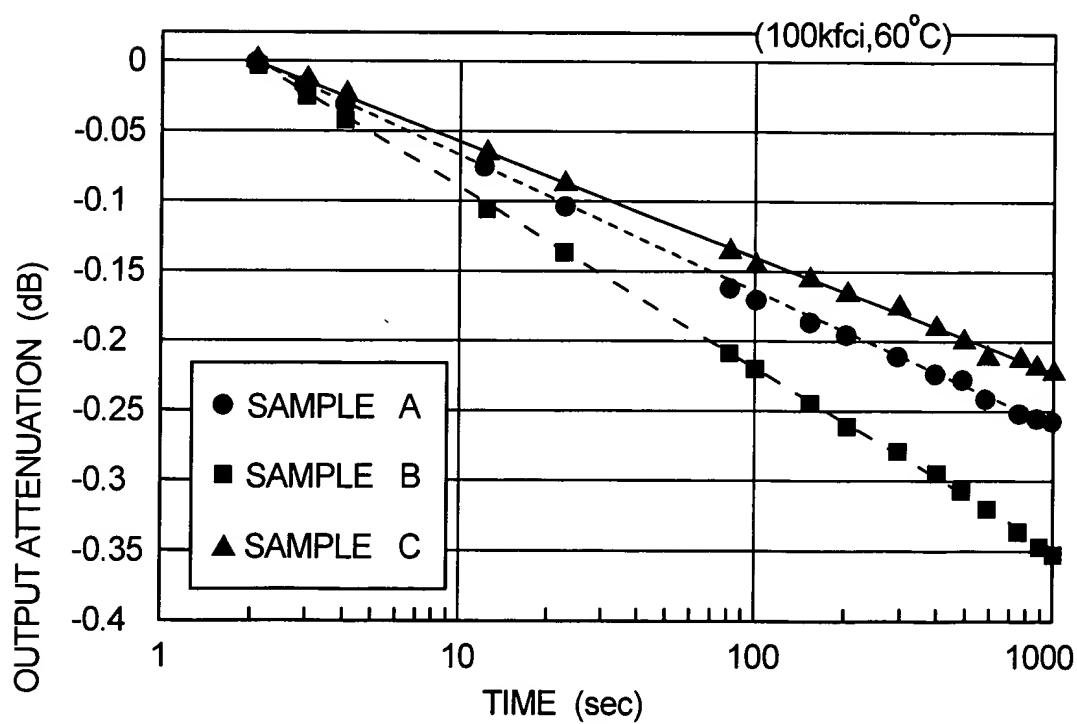


FIG. 11

	OUTPUT ATTENUATION (dB / DECADE)
	(100kfc, 60°C)
SAMPLE A	0.095
SAMPLE B	0.129
SAMPLE C	0.081

FIG. 12

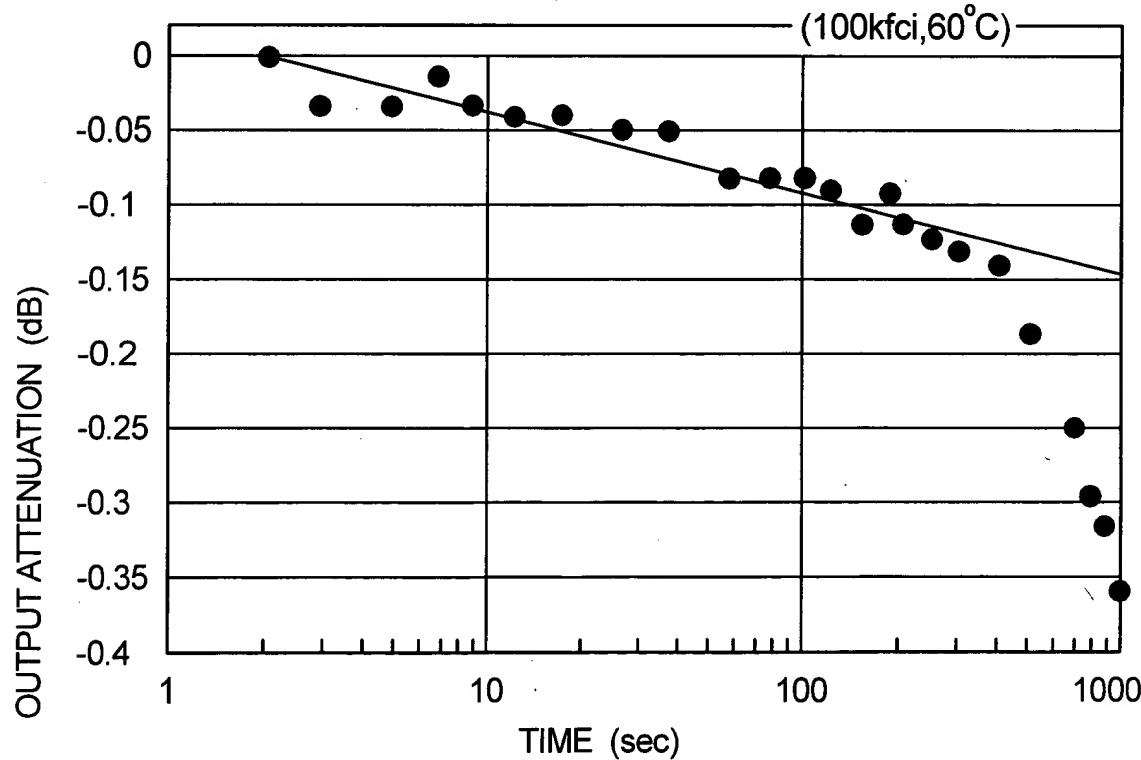


FIG. 13